

PATENT  
Attorney Docket No. EXT-048

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Shuber

SERIAL NO.: Not yet assigned GROUP NO.: Not yet assigned

FILING DATE: Herewith EXAMINER: Not yet assigned

TITLE: Methods for Detecting, Grading or Monitoring an *H. pylori* Infection

JC914 U.S. PTO  
09/755004  
01/05/01



Box Patent Application  
Assistant Commissioner for Patents  
Washington, D.C. 20231

**SUBMISSION OF PAPER COPY AND/OR COMPUTER READABLE COPY  
OF SEQUENCE LISTING FOR INVENTION  
CONTAINING NUCLEOTIDE AND/OR AMINO ACID SEQUENCE**

Sir:

1.  This replies to the Patent Office Letter dated

Note: If these papers are filed before the office letter issues adequate identification of the original papers should be made, e.g., in addition to the name of the inventor and title of invention, the filing date based on the "Express Mail" procedure, the serial number from the return post card or the attorney's docket number added.

A copy of the Patent Office Letter is enclosed.

2. Submitted herewith is/are

(check each item as applicable)

- A.  a paper copy of the Sequence Listing for this application with each sequence assigned a separate identifier; and
- B.  a CD of the Sequence Listing for this application with each sequence assigned a separate identifier; and
- C.  a copy, in computer readable form, of the Sequence Listing for this application.

## STATEMENT

3. I hereby state that:

(complete applicable items A, B and/or C)

- A.  the content of the paper and computer readable copy submitted herewith are the same; and
- B.  the content of the CD and computer readable copy submitted herewith are the same; and
- C.  the content of the computer readable copy submitted herewith is the same as the Sequence Listing appearing on pages \_\_ to \_\_ of the original specification as filed; and
- D.  this submission includes no new matter.

Respectfully submitted,



Thomas C. Meyers

Attorney for Applicant(s)

Testa, Hurwitz, & Thibeault, LLP

High Street Tower

125 High Street

Boston, Massachusetts 02110

Date: January 5, 2001

Reg. No. 36,989

Tel. No.: (617) 248-7013

Fax No.: (617) 248-7100

2003071

## SEQUENCE LISTING

<110> Shuber, Anthony  
<120> Methods for Detecting, Grading or Monitoring an H. pylori Infection  
<130> EXT-048  
<160> 11  
<170> PatentIn version 3.0  
<210> 1  
<211> 17  
<212> DNA  
<213> Artificial sequence  
  
<220>  
<223> H. pylori capture probe  
  
<400> 1  
taaaaactcaa aggaata

17

<210> 2  
<211> 21  
<212> DNA  
<213> Artificial sequence  
  
<220>  
<223> H. pylori forward primer  
  
<400> 2  
cgtagctgc attactggag a

21

<210> 3  
<211> 20  
<212> DNA  
<213> Artificial sequence  
  
<220>  
<223> H. pylori reverse primer 1  
  
<400> 3  
taggggtaaa atccgtagag

20

<210> 4  
<211> 19  
<212> DNA  
<213> Artificial sequence  
  
<220>  
<223> H. pylori reverse primer 2  
  
<400> 4

caagcgttac tcggaatca

19

<210> 5  
<211> 19  
<212> DNA  
<213> Artificial sequence

<220>  
<223> H. pylori reverse primer 3

<400> 5  
cgggtgagta acgcataagg

19

<210> 6  
<211> 20  
<212> DNA  
<213> Artificial sequence

<220>  
<223> H. pylori reverse primer 4

<400> 6  
tcatttcctt gtttcagcaa

20

<210> 7  
<211> 20  
<212> DNA  
<213> Artificial sequence

<220>  
<223> H. pylori reverse primer 5

<400> 7  
cgccgatttt agagacgatt

20

<210> 8  
<211> 18  
<212> DNA  
<213> Artificial sequence

<220>  
<223> H. pylori reverse primer 6

<400> 8  
ggcgatcaca cgatggaa

18

<210> 9  
<211> 37  
<212> DNA  
<213> Artificial sequence

<220>

<223> APC capture probe  
<400> 9  
cagatagccc tggacaaacc atgccaccaa gcagaag

37

<210> 10  
<211> 20  
<212> DNA  
<213> Artificial sequence

<220>  
<223> APC forward primer

<400> 10  
cacctccacc acctcctcaa

20

<210> 11  
<211> 19  
<212> DNA  
<213> Artificial sequence

<220>  
<223> APC reverse primer

<400> 11  
gtatcagcat ctggaagaa

19

01/01/97 U.S. PTO

01-08-01

A/Bax Sequence

Express Mail Mailing Label No. EL302644681US

<b>UTILITY PATENT APPLICATION TRANSMITTAL</b> <small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small>		Attorney Docket No.	EXT-048
		First Named Inventor	Shuber
		Title	Methods for Detecting, Grading or Monitoring an <i>H. pylori</i> Infection
<b>APPLICATION ELEMENTS</b>		<b>ADDRESS TO:</b> Box Patent Application Assistant Commissioner for Patents Washington, D.C. 20231	
1. <input type="checkbox"/> Fee Transmittal Form 2. <input type="checkbox"/> Small Entity Status <small>□ Applicant claims small entity status □ Status established in prior application and is still proper and desired</small>		<b>ACCOMPANYING APPLICATION PARTS</b>	
3. <input checked="" type="checkbox"/> Specification and Drawings [Total Pages 26] <small>- Written Description - (17 pages) - Claims - (4 pages) - Abstract - (1 page) - Sheets of Drawings - (4 sheets)  <small>□ Formal □ Informal</small> </small>		8. <input type="checkbox"/> 37 CFR 3.73(b) Statement (when there is an assignee) <small>□ Power of Attorney</small>	
		9. <input type="checkbox"/> English Translation Document (if applicable)	
		10. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <small>□ Copies of IDS Citations</small>	
4. <input type="checkbox"/> Oath or Declaration [Total Pages ] <small>a. <input type="checkbox"/> Newly executed (original) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d))</small> <small>(for continuation/divisional with Box 17 completed) [Note Box 5 below]</small>		11. <input type="checkbox"/> Preliminary Amendment <small>□ Drawings [Total Sheets ] □ Letter to Official Draftsperson Including Drawings [Total Pages ]</small>	
		12. <input checked="" type="checkbox"/> Return Receipt Postcard	
5. <input type="checkbox"/> Incorporation by Reference (usable if Box 3b is checked) <small>The entire Disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.</small>		13. <input type="checkbox"/> Certified Copy of Priority Document(s)	
6. <input checked="" type="checkbox"/> Application Data Sheet 7. <input checked="" type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission <small>□ Computer Readable Copy □ Paper Copy (identical to computer copy) □ CD (identical to computer copy) □ Statement verifying identity of above copies</small>		14. <input type="checkbox"/> Deletion of Inventor(s) <small>Signed statement attached deleting inventor(s) named in the prior application.</small>	
		15. <input type="checkbox"/> CD in duplicate for large table or computer program. 16. <input type="checkbox"/> Other:	
17. <input type="checkbox"/> If a CONTINUING APPLICATION, amend the specification by inserting on page 1, before the first line, the sentence: <small>--This is a</small> <input type="checkbox"/> continuation <input type="checkbox"/> divisional <input type="checkbox"/> continuation-in-part of prior application Serial No. / , filed on , the entire disclosure of which is incorporated by reference herein.-- <b>Priority to the above application(s) is claimed under 35 U.S.C. 120.</b> <small>Prior application information: Examiner: . Group/Art Unit: .</small>			
18. <input type="checkbox"/> Priority - 35 U.S.C. 119 <small>□ Priority of application Serial No. filed on in is claimed under 35 U.S.C. 119. □ The certified copy has been filed in prior U.S. application Serial No. / on . □ The certified copy will follow.</small>		<b>SIGNATURE BLOCK</b> <small>Respectfully submitted,</small>  Thomas C. Meyers <small>Attorney for Applicant(s) Testa, Hurwitz &amp; Thibeault, LLP High Street Tower 125 High Street Boston, MA 02110</small>	
Direct all correspondence to: Patent Administrator Testa, Hurwitz & Thibeault, LLP High Street Tower 125 High Street Boston, MA 02110 Tel. No.: (617) 248-7000 Fax No.: (617) 248-7100			

2003055